

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 02/10144

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 F16F7/104 F16F3/04 F16F15/04 F25D23/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 F16F F25D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 012, no. 332 (M-738), 8 September 1988 (1988-09-08) & JP 63 096337 A (MITSUBISHI HEAVY IND LTD), 27 April 1988 (1988-04-27) abstract	1,3-5
X	JULIEN M-A: "EXAMEN SYNOPTIQUE, SUR LEURS MODELS COMMUNS, DES PROBLEMES DE SUSPENSION A DEUX ETAGES ET D'AMORTISSEMENT DUYNAMIQUE DES VIBRATIONS" EXTRAIT DU JOURNAL SIA, XX, XX, 1 October 1958 (1958-10-01), pages 1-15, XP002035038 page 1 page 7, paragraph 3B ----- -/--	1,3-7

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

G document member of the same patent family

Date of the actual completion of the international search

7 January 2003

Date of mailing of the international search report

14/01/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax (+31-70) 340-3016

Authorized officer

Beaumont, A

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 02/10144

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 00 38967 A (HARTL MICHAEL ;MEYER FRANK (DE); EHINGER MARKUS (DE); FRANK ROBERT) 6 July 2000 (2000-07-06) figure 3 claims	1,2,7,10
X	US 5 913 892 A (KWON HYUK-JANG) 22 June 1999 (1999-06-22) figure 4 column 2, line 44 - line 49 column 3, line 23 - line 37	1,2,11
X	FR 2 456 631 A (GIRODIN GEORGES) 12 December 1980 (1980-12-12) claim 1	1,2
X	PATENT ABSTRACTS OF JAPAN vol. 008, no. 094 (M-293), 28 April 1984 (1984-04-28) & JP 59 009335 A (TOKYO SHIBAURA DENKI KK), 18 January 1984 (1984-01-18) abstract	1,3-5
A	PATENT ABSTRACTS OF JAPAN vol. 007, no. 254 (M-255), 11 November 1983 (1983-11-11) & JP 58 137633 A (MATSUSHITA DENKI SANGYO KK), 16 August 1983 (1983-08-16) abstract	
A	DE 36 30 549 A (MUELLER BBM GMBH) 10 March 1988 (1988-03-10)	

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 02/10144

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
JP 63096337	A	27-04-1988	JP 2033413 C	19-03-1996
			JP 7065636 B	19-07-1995
WO 0038967	A	06-07-2000	DE 19859897 C1	10-08-2000
			AU 2095600 A	31-07-2000
			WO 0038967 A1	06-07-2000
			EP 1140602 A1	10-10-2001
			JP 2002533632 T	08-10-2002
US 5913892	A	22-06-1999	JP 10185411 A	14-07-1998
FR 2456631	A	12-12-1980	FR 2456631 A1	12-12-1980
JP 59009335	A	18-01-1984	NONE	
JP 58137633	A	16-08-1983	JP 1021377 B	20-04-1989
			JP 1535972 C	21-12-1989
DE 3630549	A	10-03-1988	DE 3630549 A1	10-03-1988

DOCKET NO: 2TP01P14038

SERIAL NO: _____

APPLICANT: A-Atanasion

LERNER AND GREENBERG P.A.

P.O. BOX 2480

HOLLYWOOD, FLORIDA 33022

TEL. (954) 925-1100